



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 98 12 4818

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	US 3 597 706 A (KIBLER) 3 August 1971 * the whole document * ---	1,2,6-8	H01P1/15 H01P11/00
A	US 4 525 689 A (WAGNER ET AL.) 25 June 1985 * column 3, line 4 - column 4, line 7; figure 1 * ---	1,6-8	
A	FR 2 239 820 A (TELECOMMUNICATIONS RADIOELECTRIQUES ET TELEPHONIQUES T.R.T.) 28 February 1975 * page 4, line 5 - line 15; figure 2 * ---	1	
A	US 4 302 734 A (FROSCH ET AL.) 24 November 1981 * column 3, line 18 - column 4, line 35; figures 1-3,5 * ---	1	
A	US 3 223 947 A (CLAR) 14 December 1965 * column 5, line 40 - column 6, line 19; figures 6-8 * ---	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	DRAYTON R F ET AL: "DEVELOPMENT OF MINIATURIZED CIRCUITS FOR HIGH-FREQUENCY APPLICATIONS USING MICROMACHINING TECHNIQUES" INTERNATIONAL JOURNAL OF MICROCIRCUITS AND ELECTRONIC PACKAGING, vol. 18, no. 3, 1 July 1995, pages 217-224, XP000538989 * page 218, left-hand column, line 17 - page 220, left-hand column, line 30; figures 1-4 * --- -/--	15	H01P
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 31 May 1999	Examiner Den Otter, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (P04C01)



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	<p>SALZENSTEIN P ET AL: "COPLANAR WAVEGUIDES ON DIELECTRIC MEMBRANES MICROMATCHED ON A GAAS SUBSTRATE"</p> <p>ELECTRONICS LETTERS, vol. 32, no. 9, 25 April 1996, page 821/822 XP000595669</p> <p>* page 821, left-hand column, line 27 - right-hand column, line 44; figure 1 *</p> <p>-----</p>	15	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		31 May 1999	Den Otter, A
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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



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**LACK OF UNITY OF INVENTION
SHEET B**

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-14

Radially formed microstrip switch with a combining patch over a hole in the substrate; process for manufacturing such a switch.

2. Claim : 15

Process for manufacturing an air-suspended coplanar waveguide

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 98 12 4818

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

31-05-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3597706 A	03-08-1971	BE 756728 A DE 2047814 A FR 2064079 A GB 1314240 A NL 7014244 A,B, SE 364600 B	01-03-1971 08-04-1971 16-07-1971 18-04-1973 05-04-1971 25-02-1974
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FR 2239820 A	28-02-1975	NONE	
US 4302734 A	24-11-1981	NONE	
US 3223947 A	14-12-1965	NONE	